

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference <b>FP2063</b>	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. <b>PCT/SG 2003/000245</b>	International filing date ( <i>day/month/year</i> ) <b>13 October 2003 (13.10.2003)</b>	Priority Date ( <i>day/month/year</i> )
International Patent Classification (IPC) or national classification and IPC  <b>IPC<sup>7</sup>: H04N 1/60</b>		
Applicant <b>ZHANG, NENGSHENG, ALLAN</b>		
<p>1. This international preliminary examination report has been prepared by this International Preliminary Examination Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.</p> <p><input checked="" type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of <u>10</u> sheets.</p> <p>3. This report contains indications relating to the following items:</p> <ul style="list-style-type: none"> <li>I. <input checked="" type="checkbox"/> Basis of the opinion</li> <li>II. <input type="checkbox"/> Priority</li> <li>III. <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</li> <li>IV. <input type="checkbox"/> Lack of unity of invention</li> <li>V. <input checked="" type="checkbox"/> Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</li> <li>VI. <input type="checkbox"/> Certain documents cited</li> <li>VII. <input type="checkbox"/> Certain defects in the international application</li> <li>VIII. <input type="checkbox"/> Certain observations on the international application</li> </ul>		
Date of submission of the demand  <b>07.04.2005</b>	Date of completion of this report  <b>11 November 2005 (11.11.2005)</b>	
Name and mailing address of the IPEA/AT Austrian Patent Office Dresdner Straße 87 A-1200 Vienna Facsimile No. 1/53424/200	Authorized officer  <b>FUSSY S.</b>  Telephone No. 1/53424/328	

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## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/SG 2003/000245

**I. Basis of the report****1. With regard to the elements of the international application:\***

- ☐ the international application as originally filed
- ☒ the description:  
pages 1-34, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.
- ☒ the claims:  
pages \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, as amended (together with any statement) under Article 19  
pages 35-44, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.
- ☒ the drawings:  
pages 1-15, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.
- ☐ the sequence listing part of the description:  
pages \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

**2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.**

These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

**3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:**

- ☐ contained in the international application in printed form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

**4. ☐ The amendments have resulted in the cancellation of:**

- ☐ the description, pages \_\_\_\_\_.
- ☐ the claims, Nos. \_\_\_\_\_.
- ☐ the drawings, sheets/fig \_\_\_\_\_.

**5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\***

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as „originally filed“ and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

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# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.  
PCT/SG 2003/000245

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement			
Novelty (N)	Claims	1 -42	YES
	Claims	----	NO
Inventive step (IS)	Claims	1-42	YES
	Claims	----	NO
Industrial applicability (IA)	Claims	1-42	YES
	Claims	----	NO

### Citations and explanations (Rule 70.7)

The following documents have been cited in the Search Report:

D1: EP673155A2

D2: US5218555A

D1 represents the prior art coming closest to the subject-matter of the amended independent claims 1, 16, 30, and 37 to 39 of the present application and relates to a data correction sub-system for a colour image processing system including a colour image reading device and a colour image printing device. A chart file is transmitted to the printing device so that the printing device produces a sample chart. Calibration data is calculated from the read sample so that the read sample data can be corrected to corresponding data in the chart file. The read sample data is obtained by causing the reading device to read the sample chart. Printing data to be transmitted to the printing device is corrected using the calibration data.

However, no method of calibrating a print engine comprising the step of arranging a separate calibration chart on a test sheet and digitising both sheets in one step is disclosed in D1.

D2 which is already mentioned in the present application discloses a colour analysis for a textile fabric involving the judgement if a colour difference exists within a predetermined range and judging whether colour difference is substantial or negligible according to fuzzy inference.

However, neither a method of calibrating a print engine comprising the step of printing a test sheet nor comprising the steps of arranging a separate calibration chart on said test sheet and digitising both sheets in one step, calculating a colour difference and adjusting the print engine according to said difference are disclosed in D2.

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**Supplemental Box**

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: **Box V (page 1)**

The remaining claims 2 to 15, 17 to 29, 31 to 36, and 40 to 42 of the present application specify preferred embodiments of the subject-matter of the independent claims 1, 16, 30, and 39.

Summarizing, all of the above cited documents merely define the state of the art. Therefore, the subject-matter of amended claims 1 to 42 can be considered novel and involving an inventive step.

Industrial applicability is given.